

Figure 1

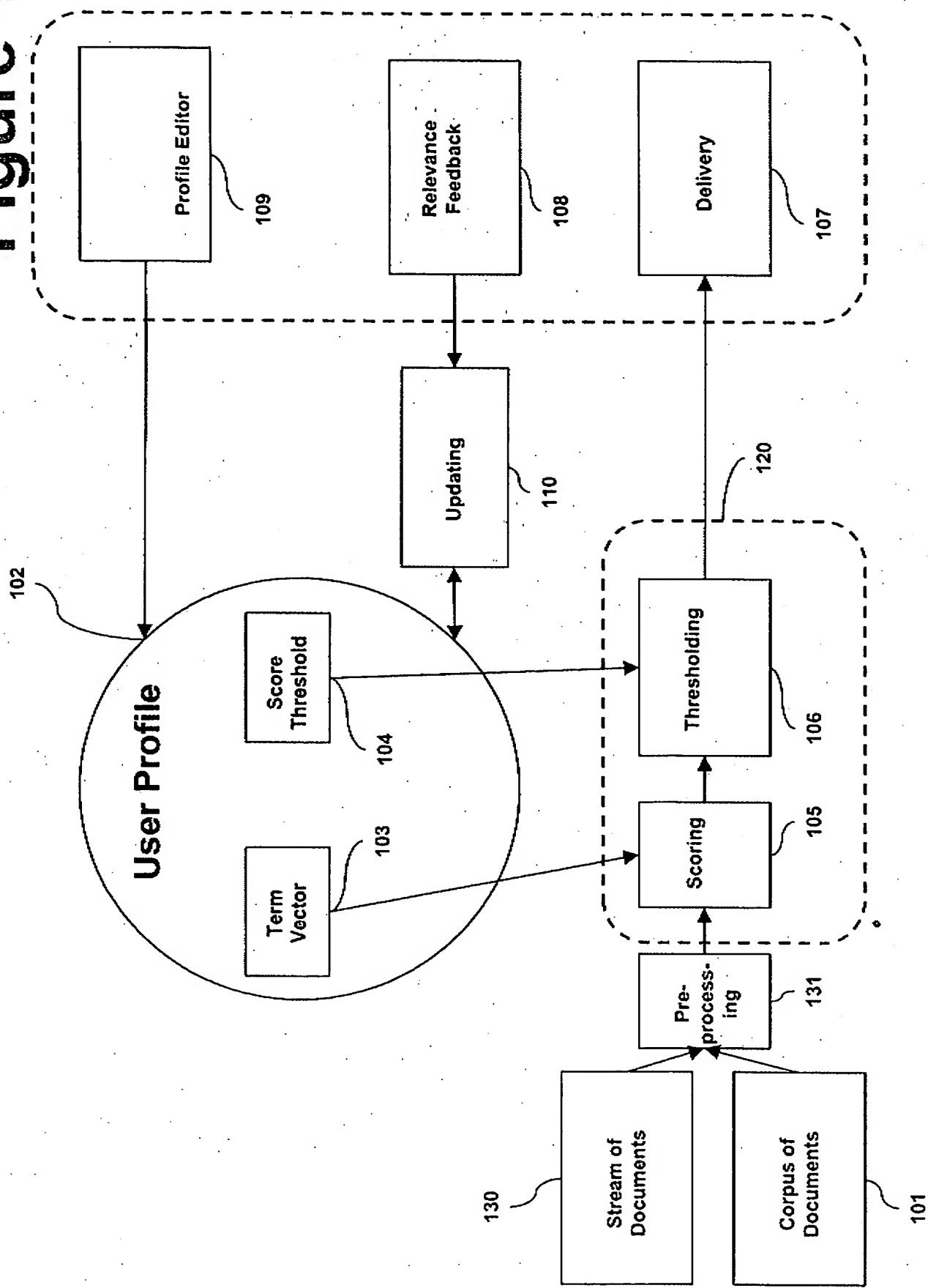


Figure 2(a)

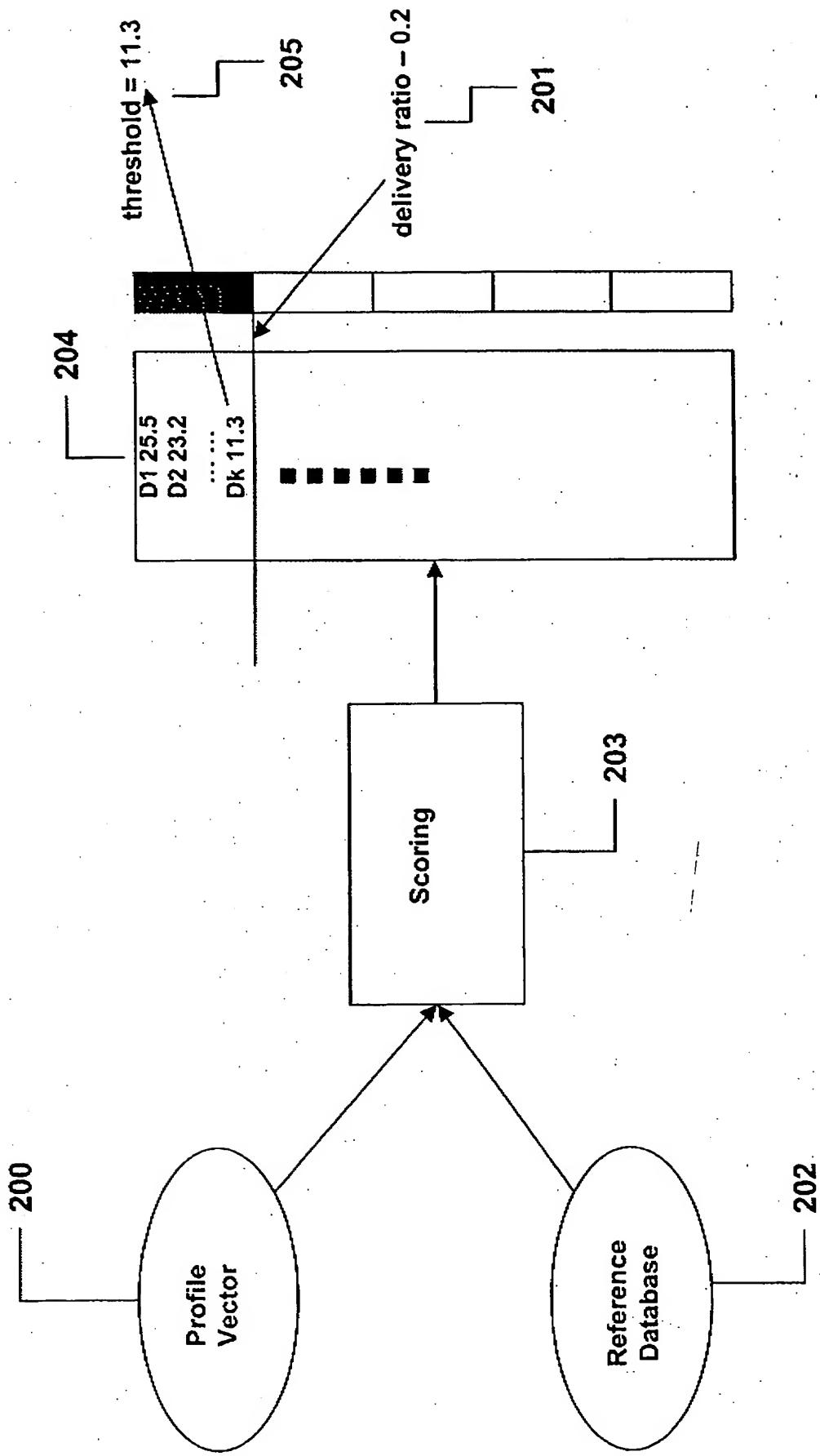


Figure 2(b)

R R Z R Z Z Z Z Z

$$\begin{array}{rcl} U = 3 \times 1 - 2 \times 0 & = & 3 \\ U = 3 \times 2 - 2 \times 0 & = & 6 \\ U = 3 \times 2 - 2 \times 1 & = & 4 \\ U = 3 \times 3 - 2 \times 1 & = & 7 \\ U = 3 \times 3 - 2 \times 2 & = & 5 \\ U = 3 \times 3 - 2 \times 3 & = & 3 \\ U = 3 \times 3 - 2 \times 4 & = & 1 \\ U = 3 \times 3 - 2 \times 5 & = & -1 \\ U = 3 \times 3 - 2 \times 6 & = & -3 \end{array}$$

Figure 3

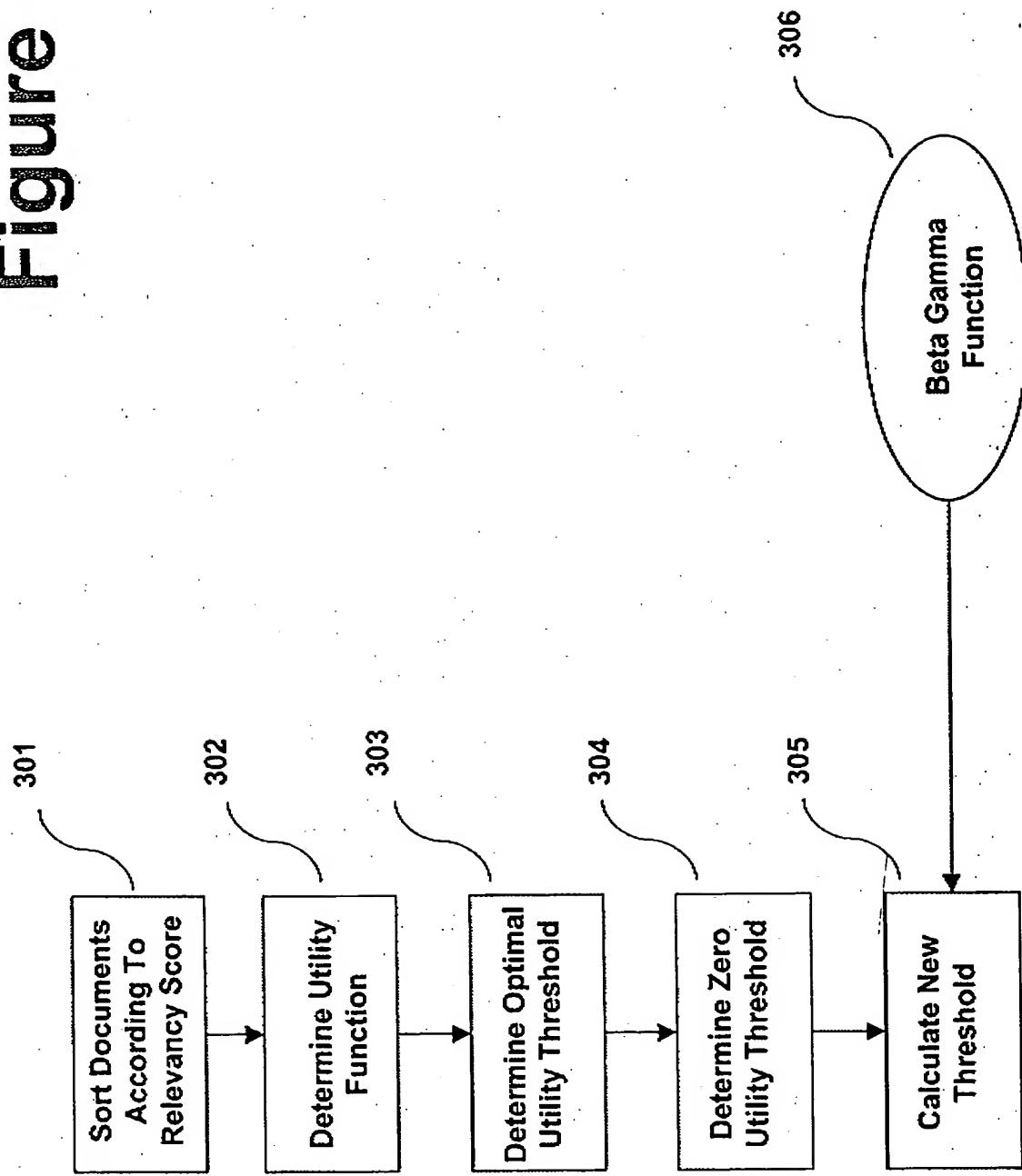
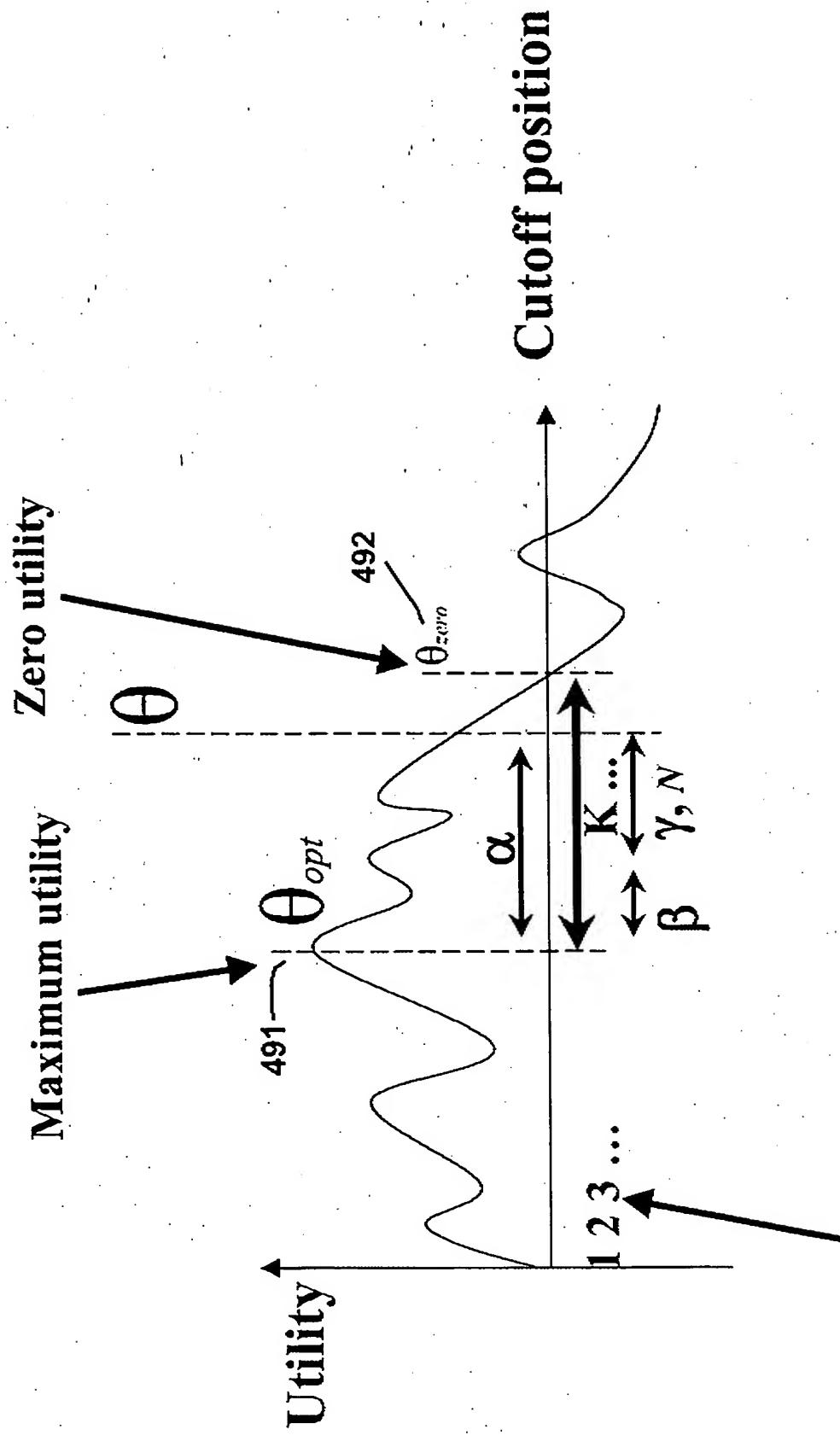


Figure 4



A Ranked list of documents
returned for a profile

Figure 5(a)

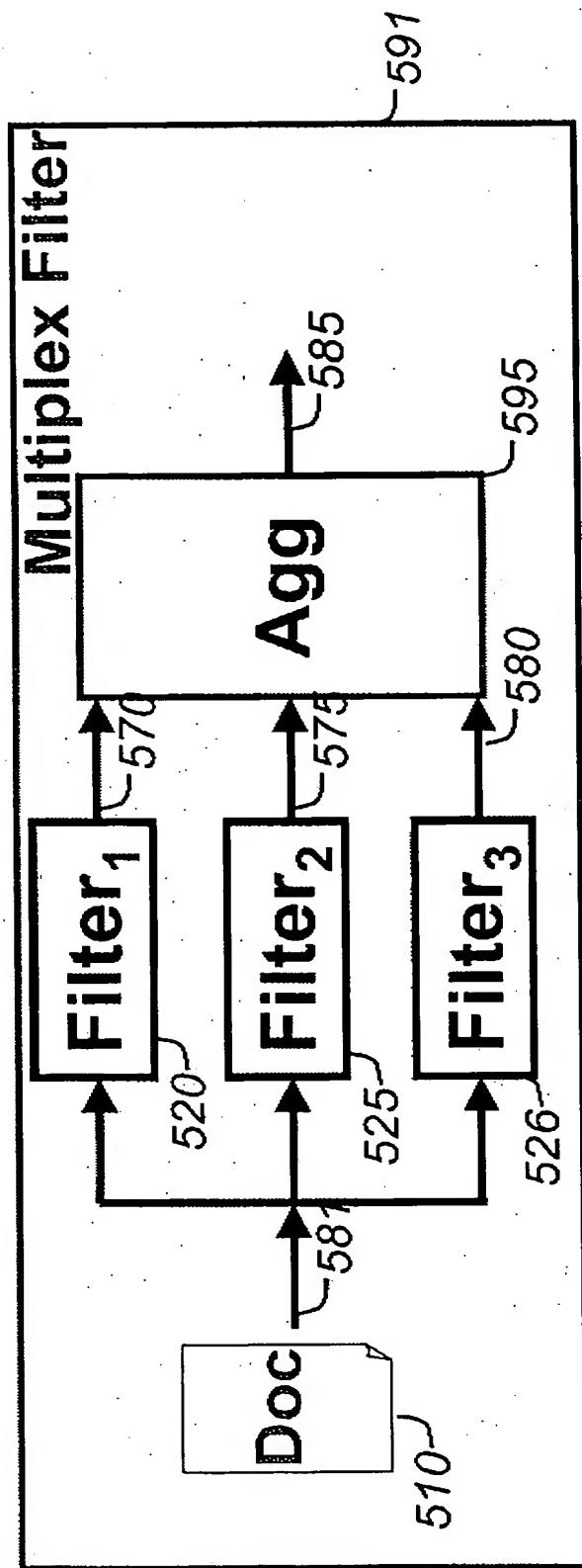


Figure 5(b)

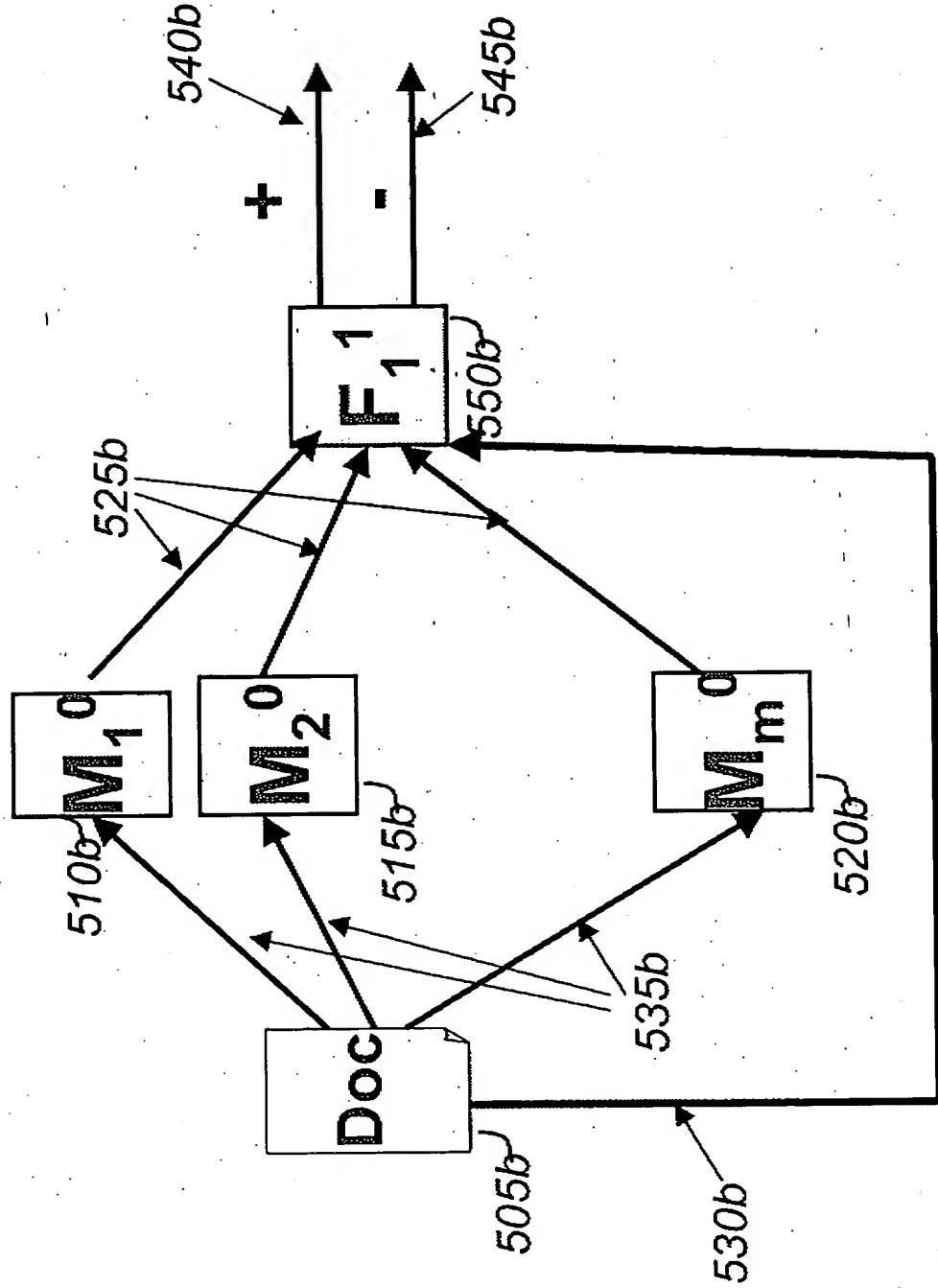


Figure 5(c)

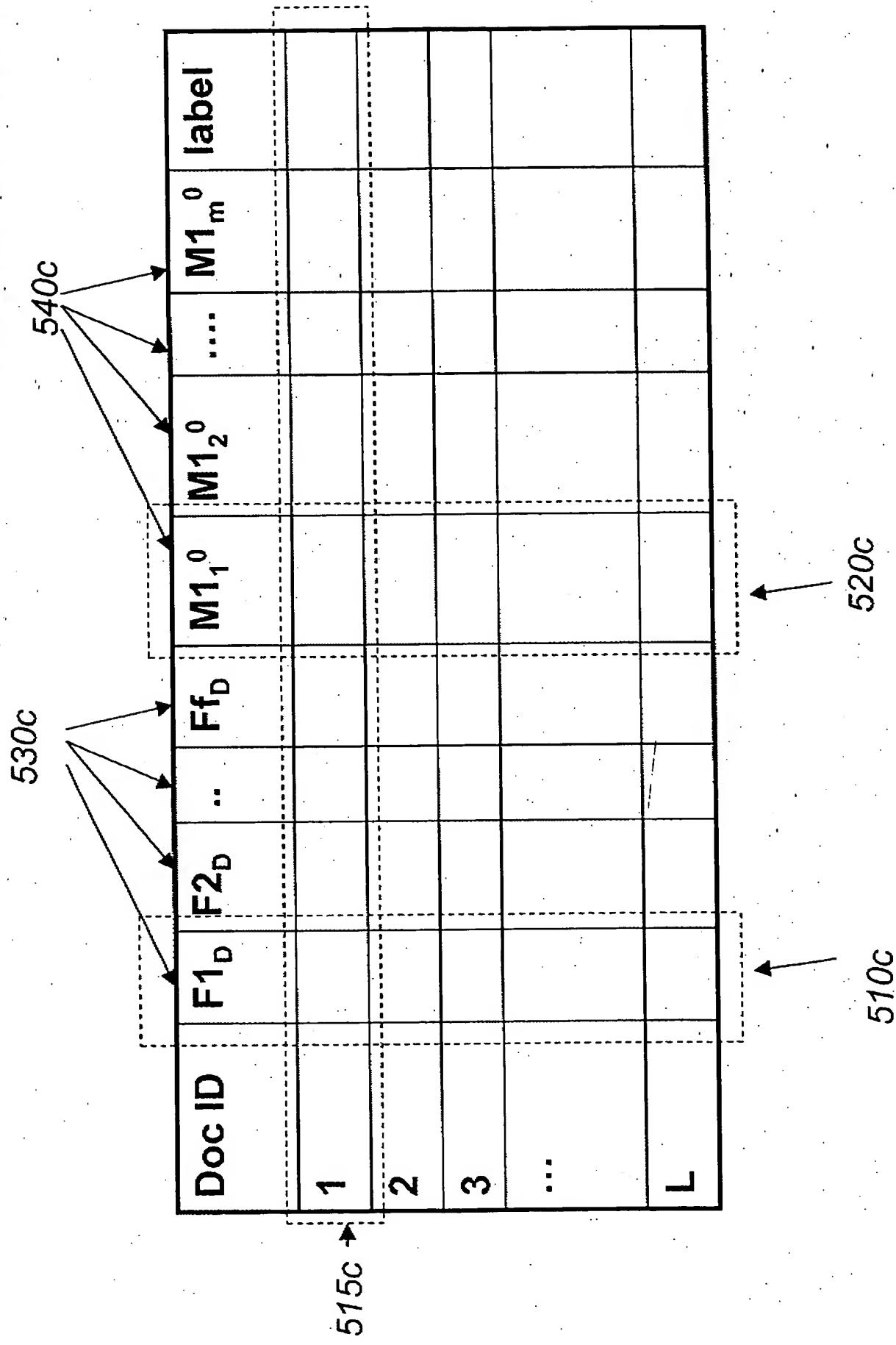


Figure 5(d)

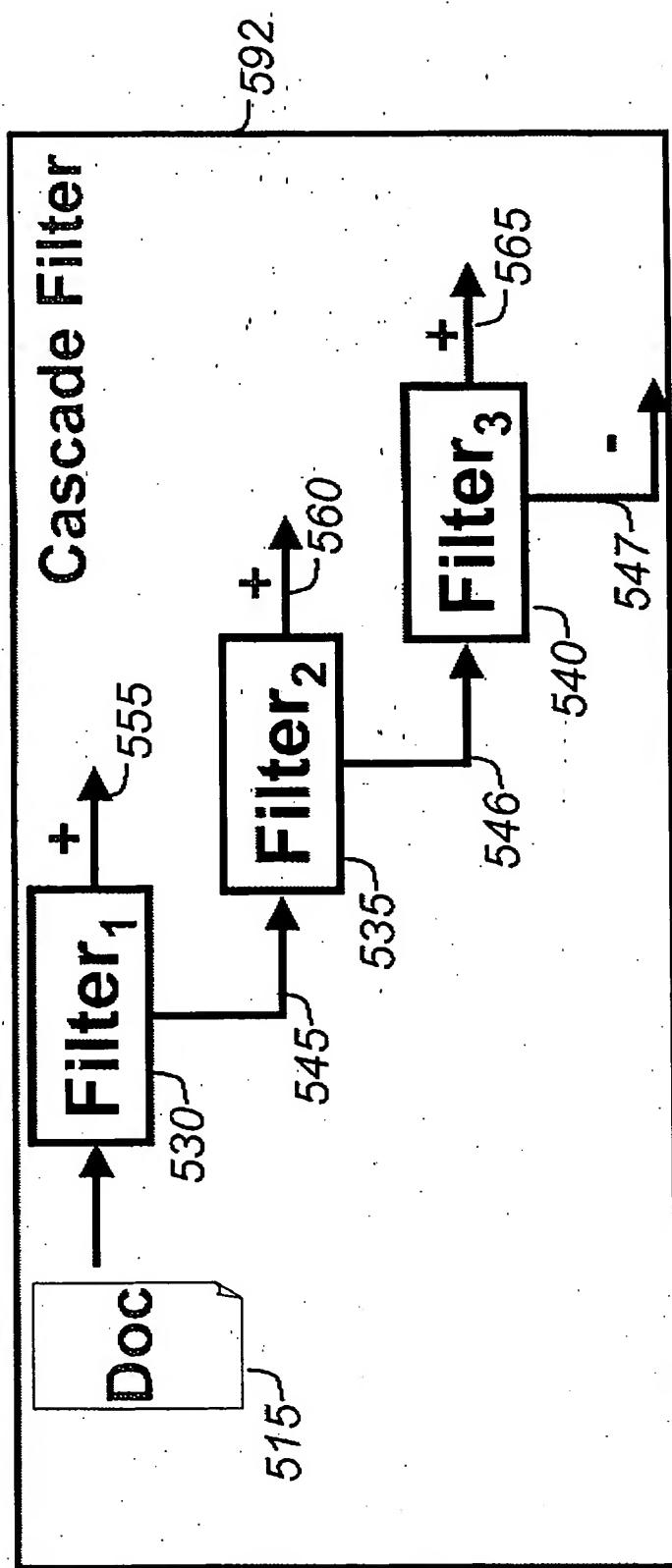


Figure 5(e)

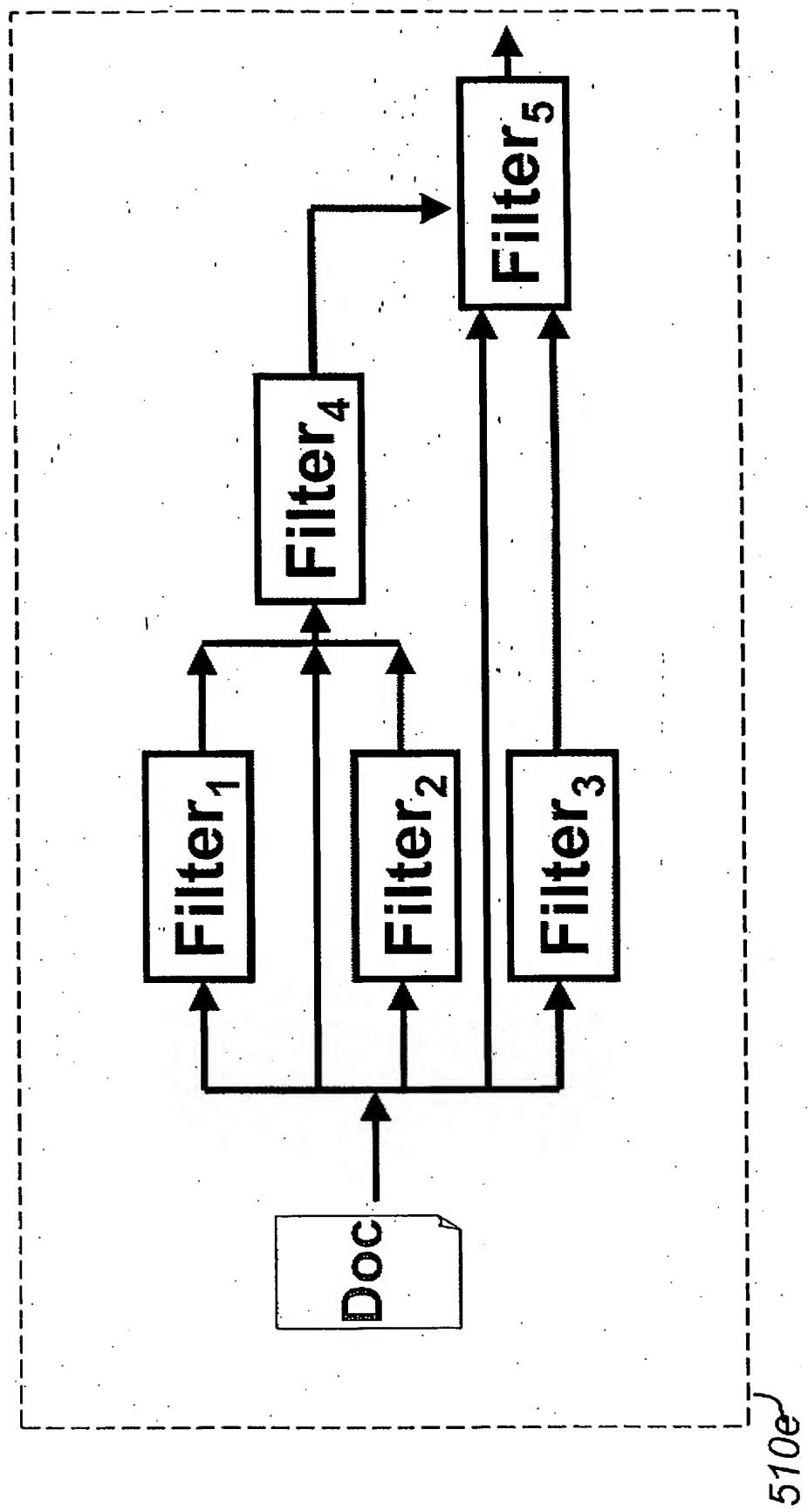


Figure 6

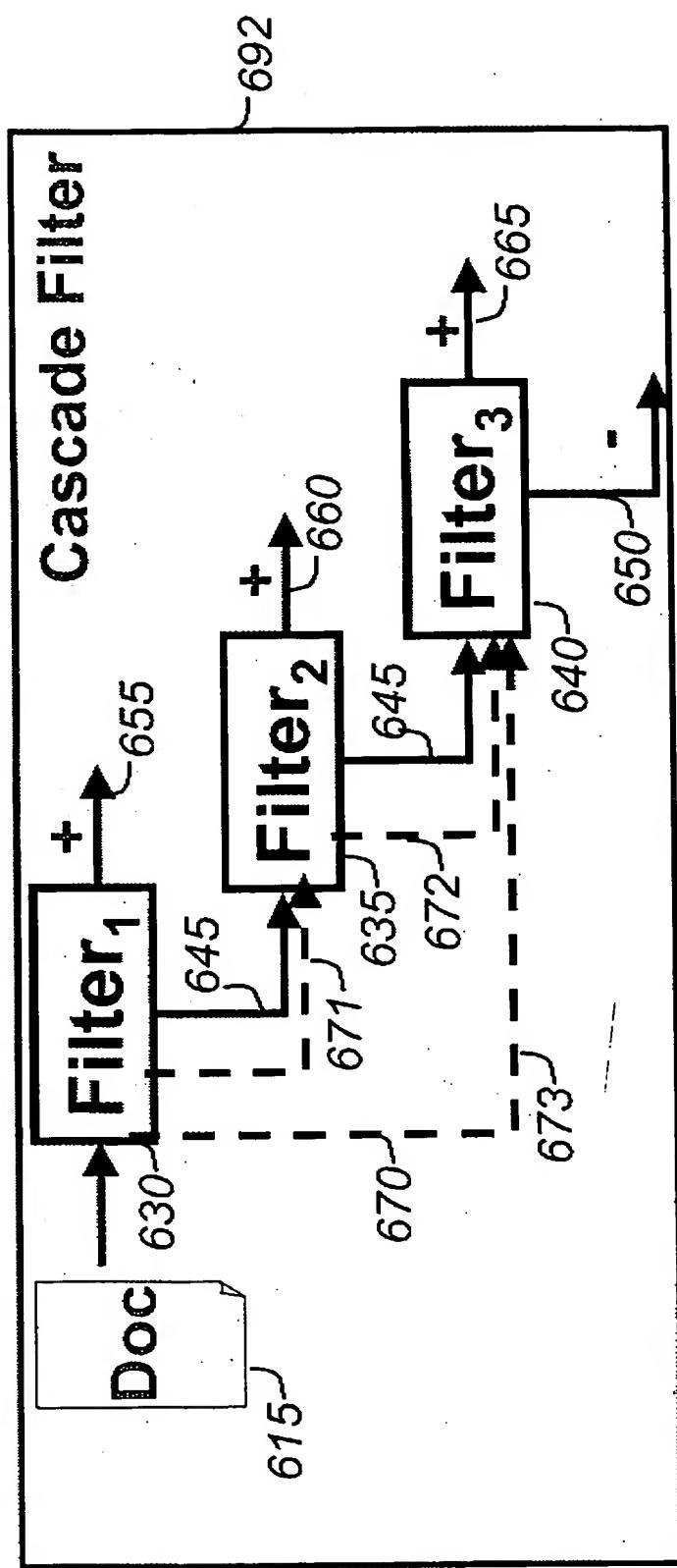
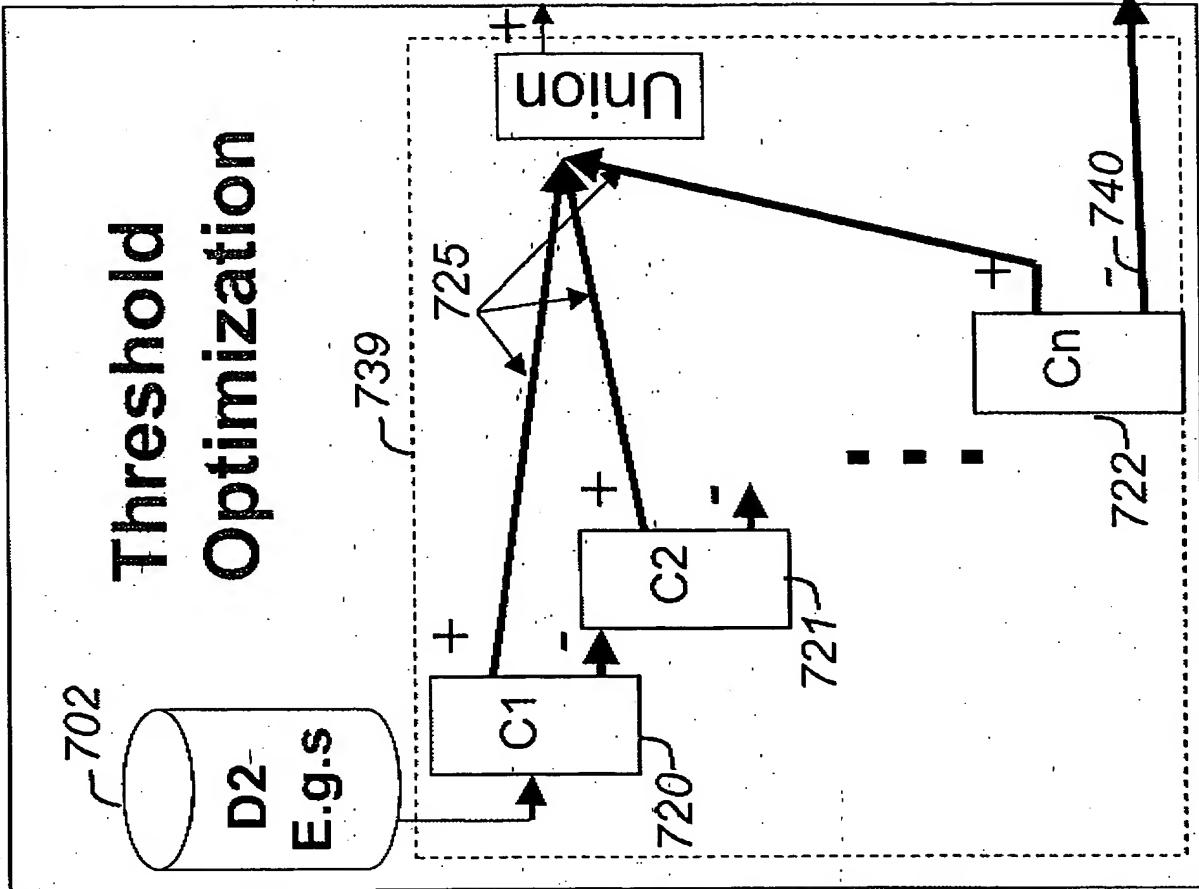
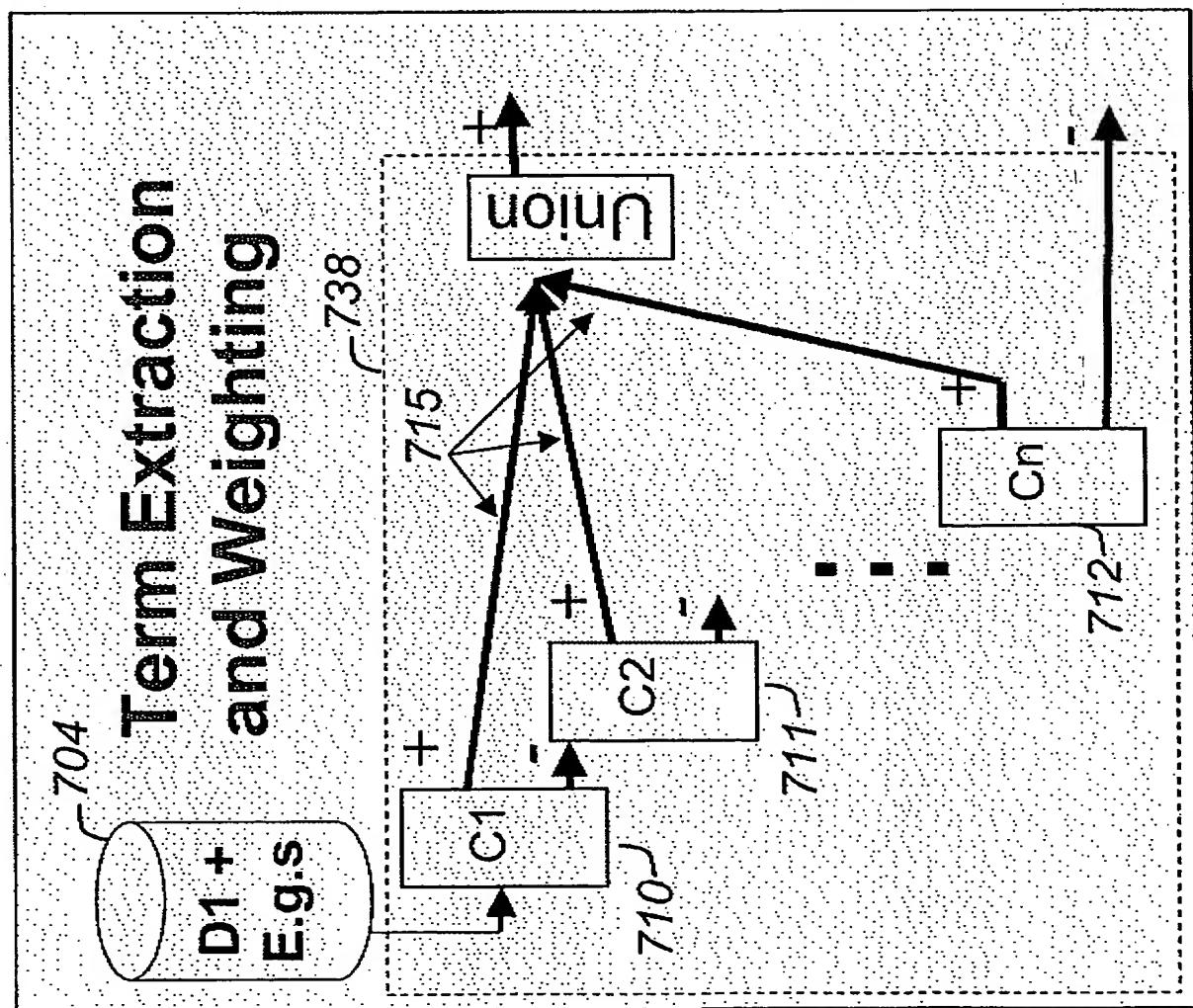


Figure 7



701

-740

Cn

+

-721

+

C2

+

C1

+

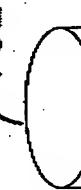
739

+

Union

+

702



D2 -
E.g.s

700

-712

Cn

+

-711

+

C2

+

C1

+

715

+

Union

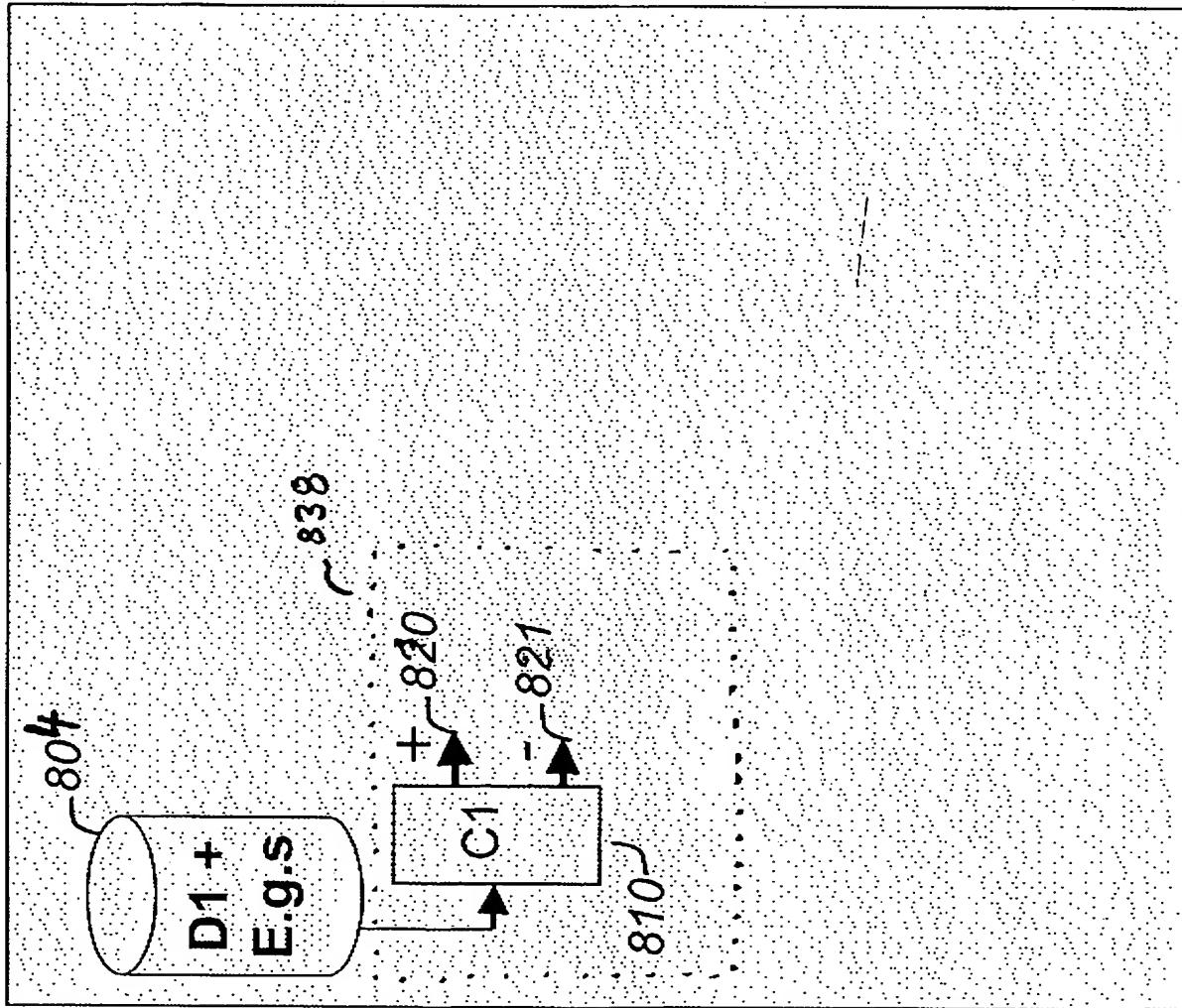
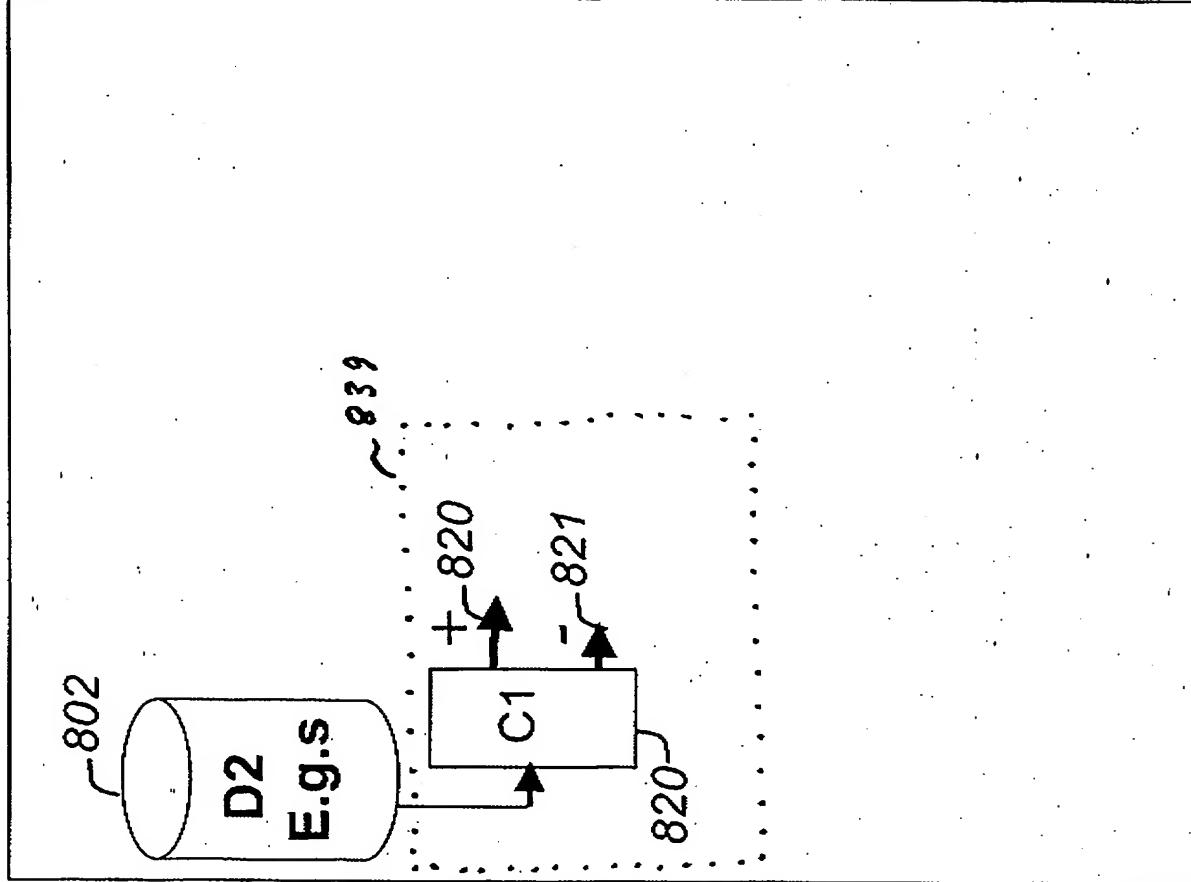
+

704



D1 +
E.g.s

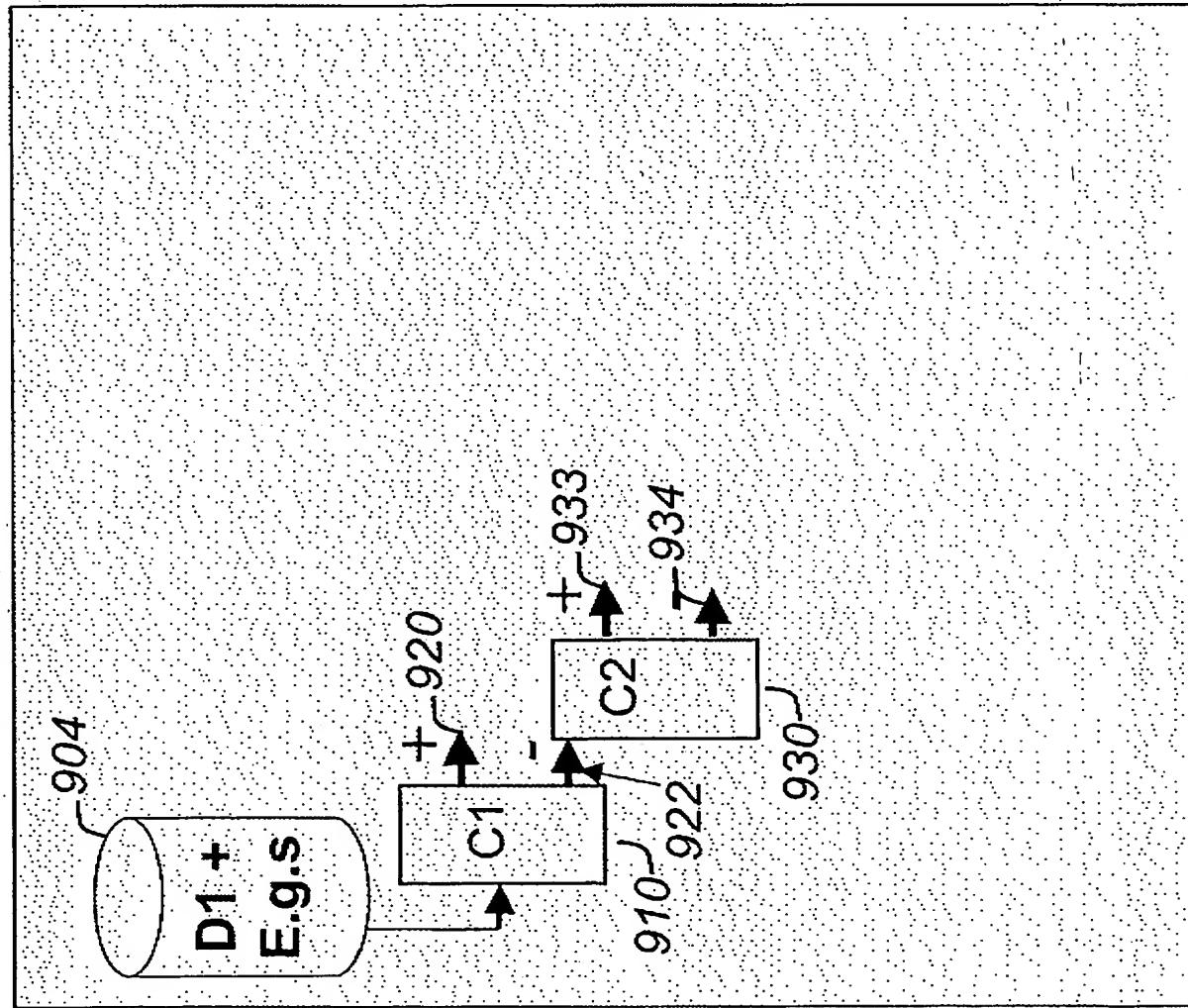
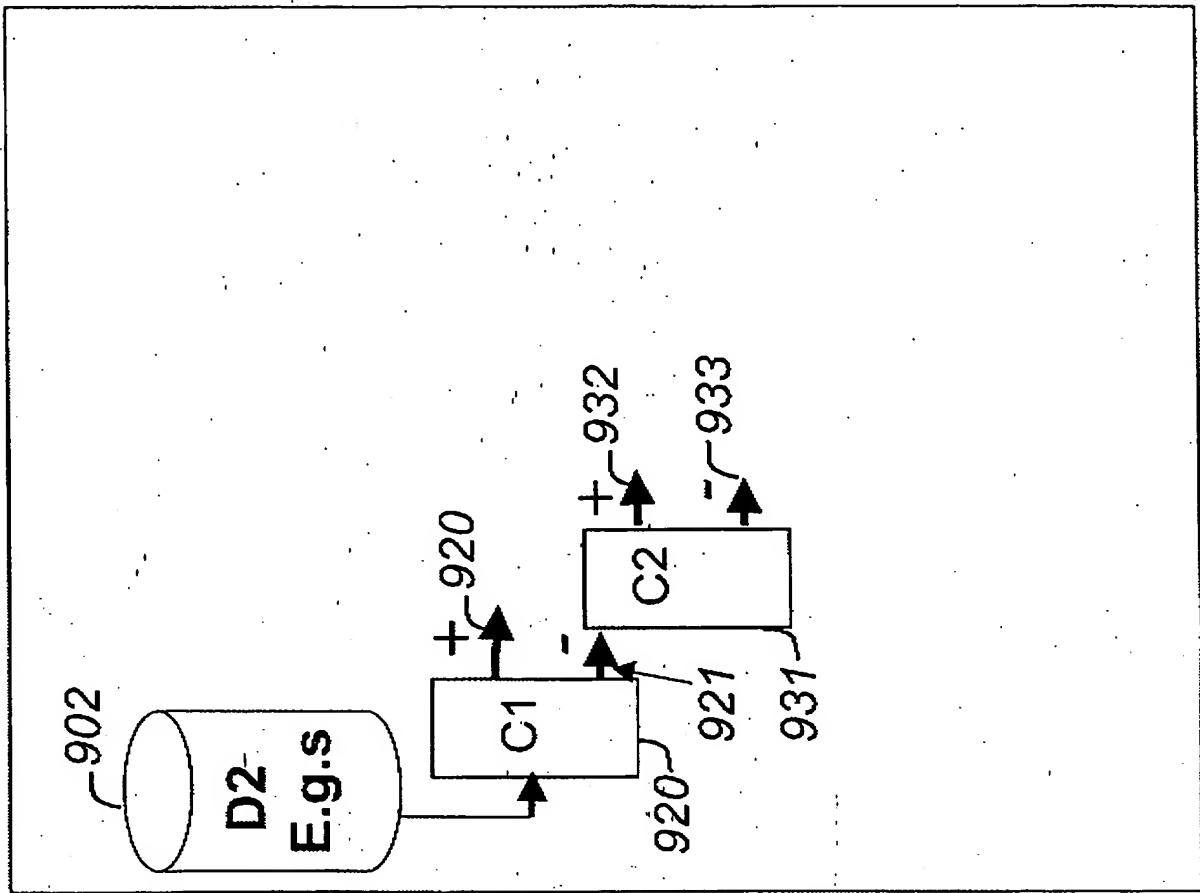
Figure 8



801-

800-

Figure 9



901

900

Figure 10

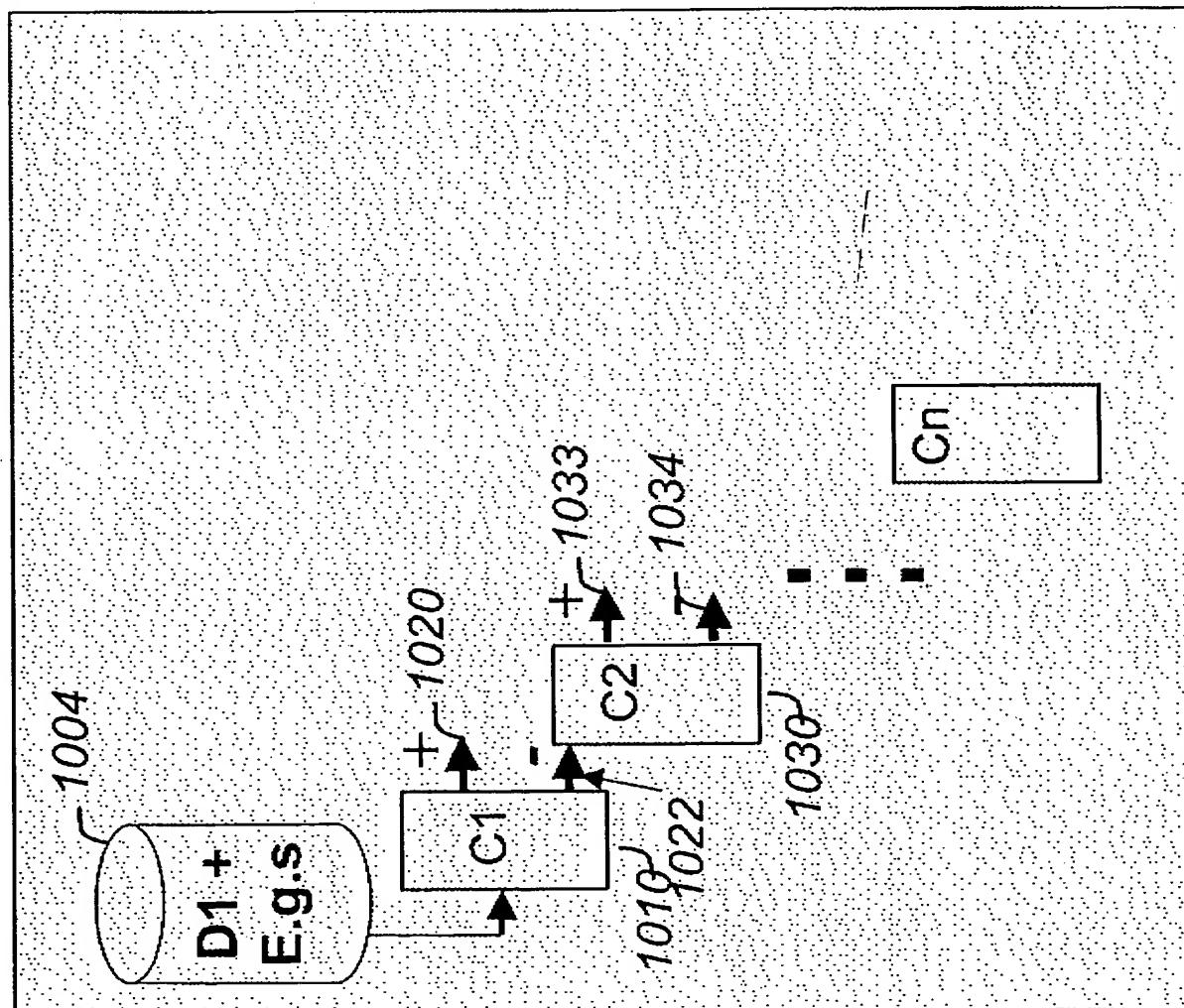
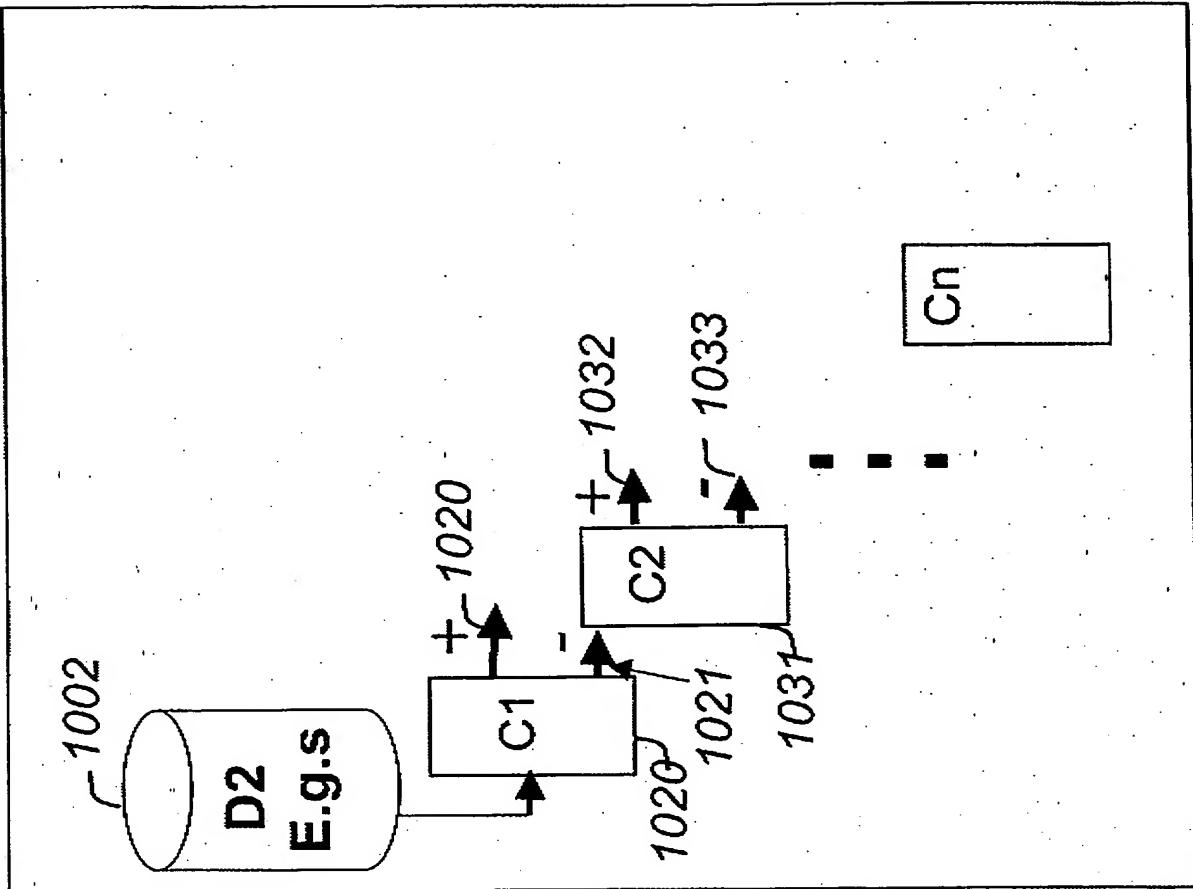


Figure 11

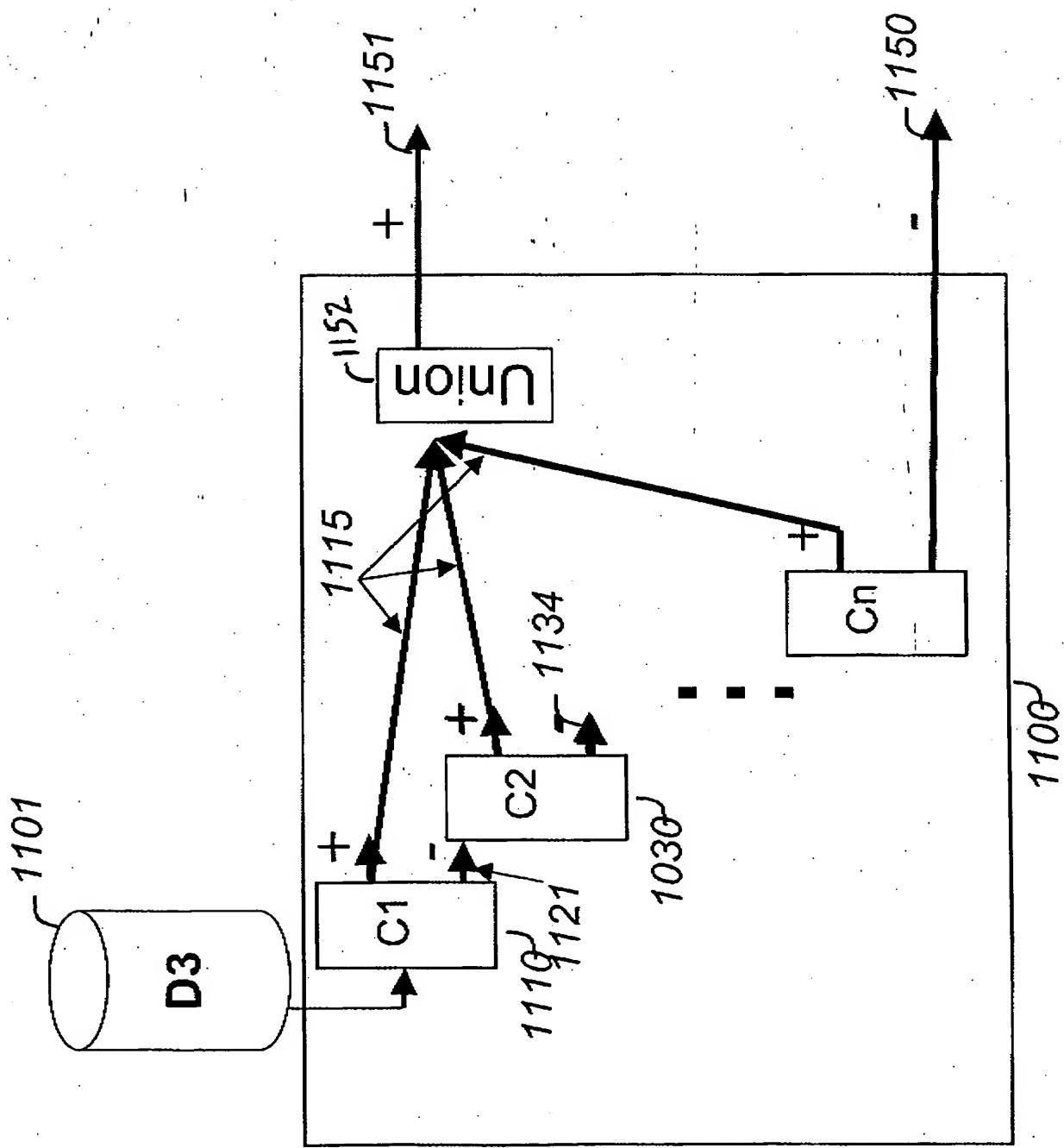


Figure 12a

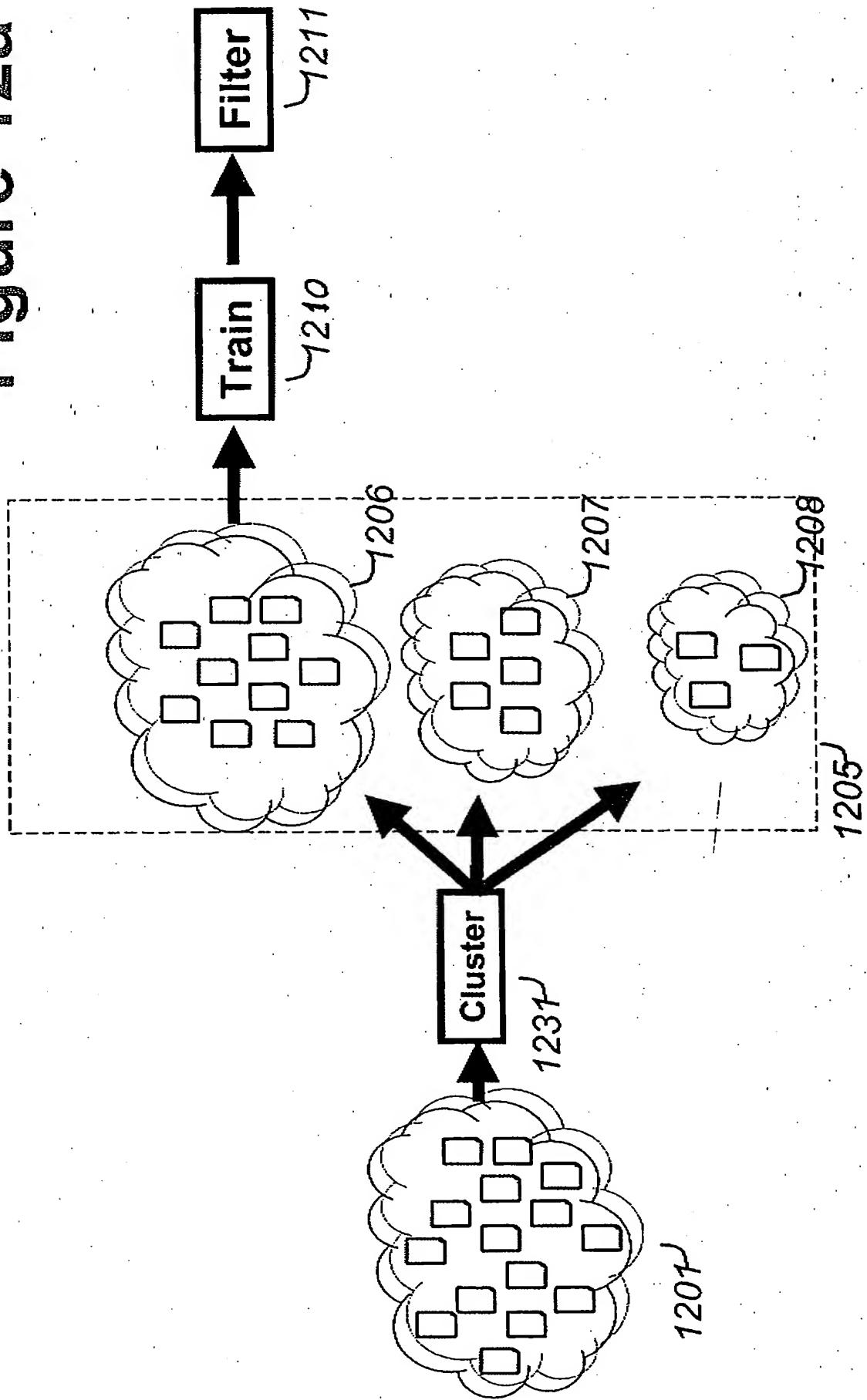


Figure 12b

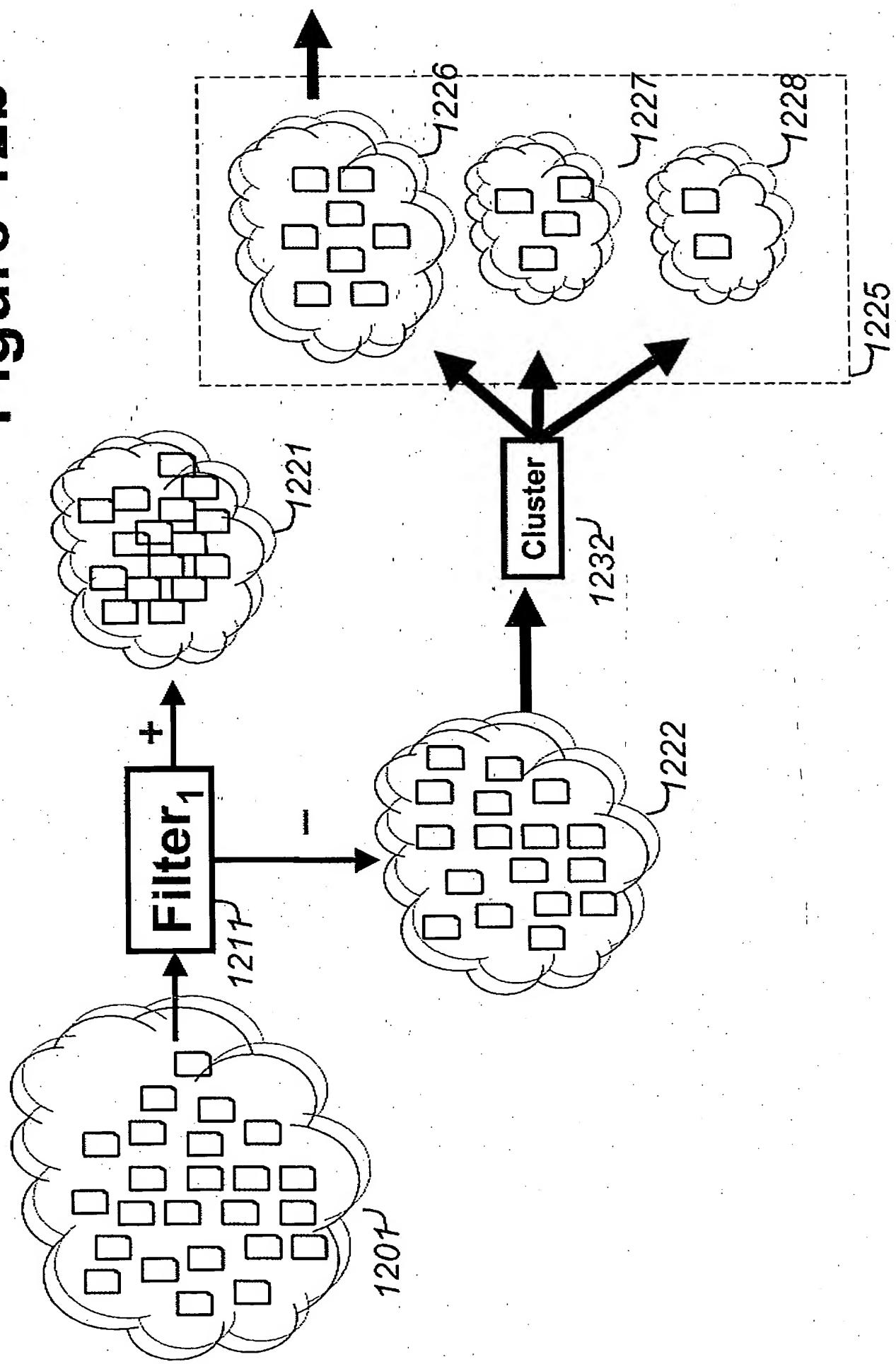


Figure 12c

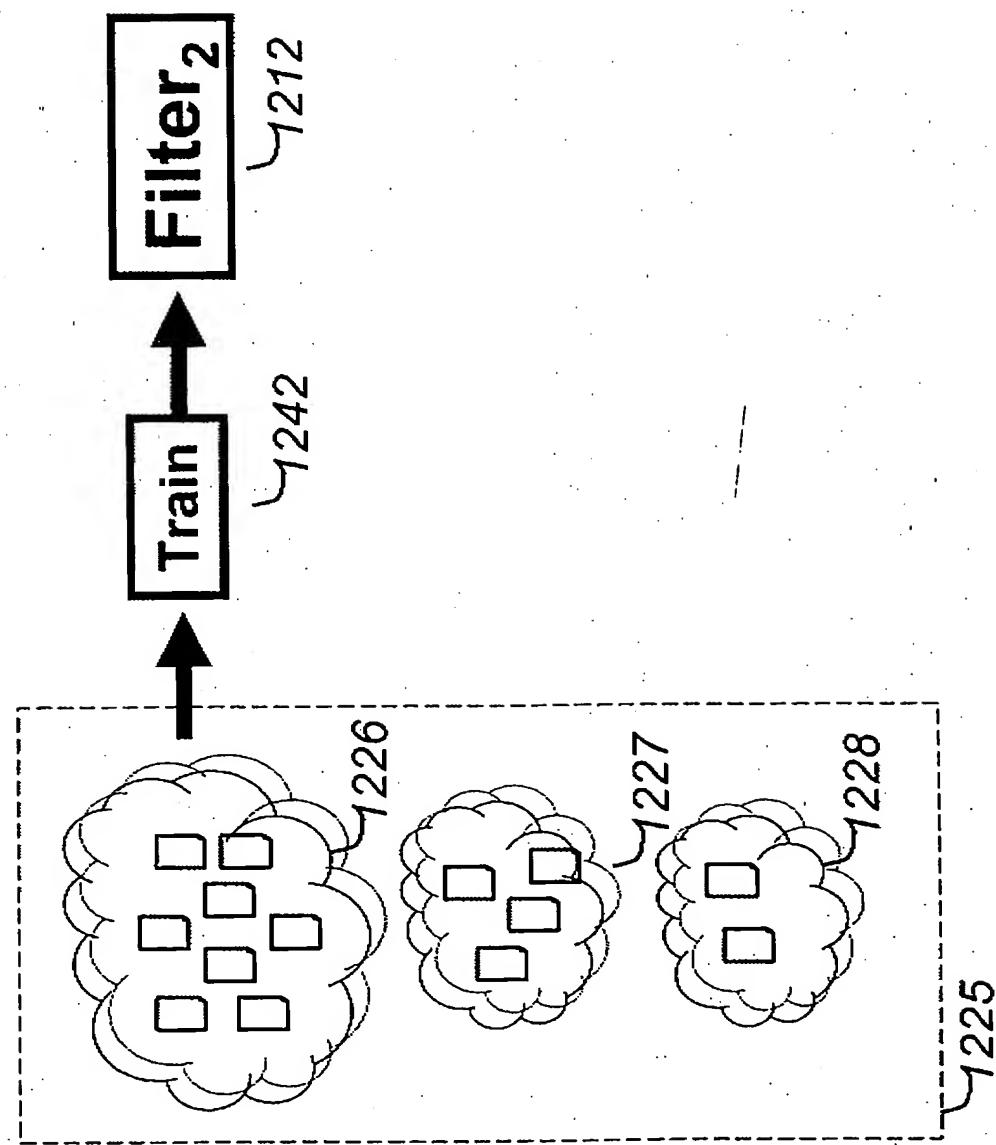


Figure 12d

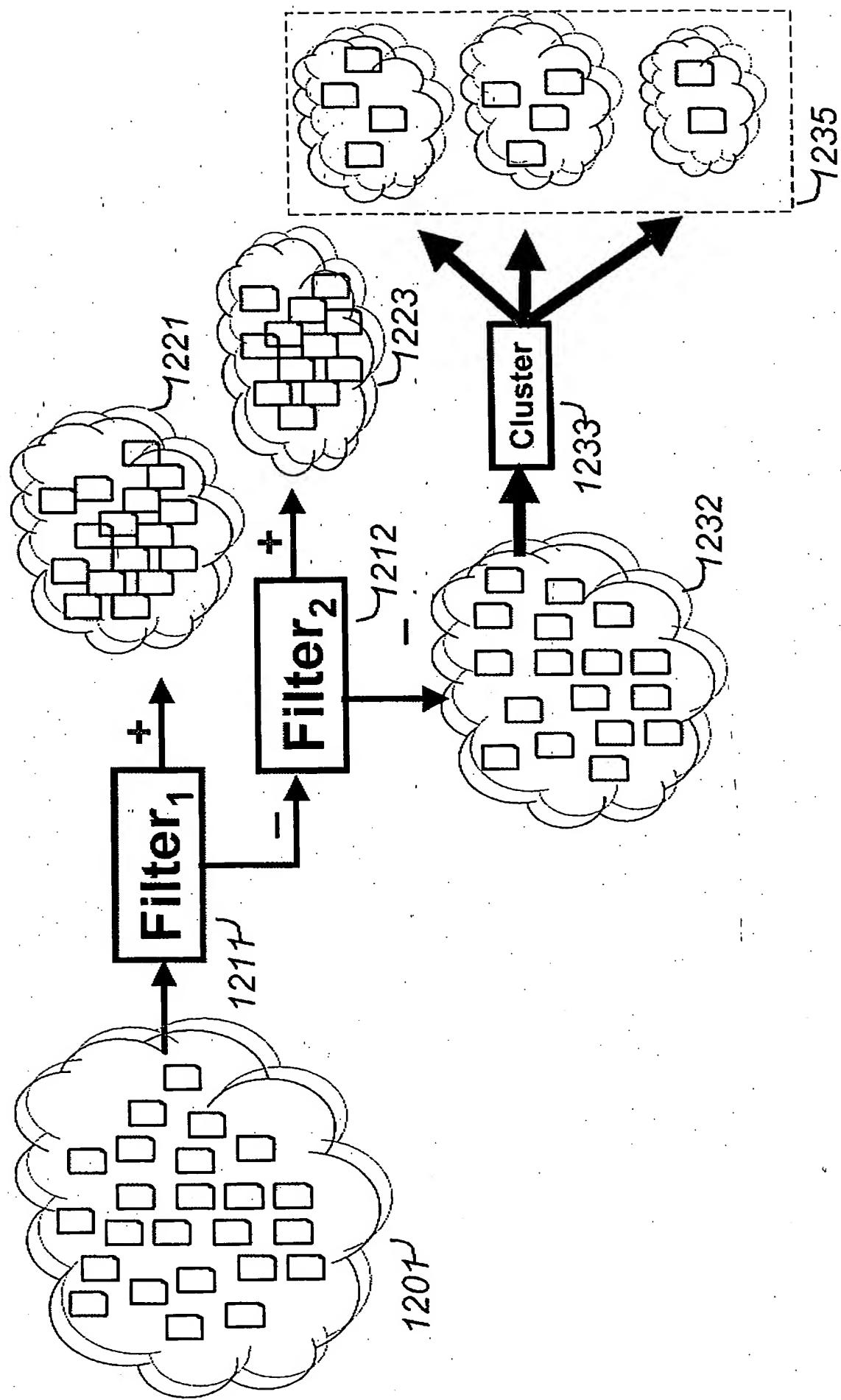


Figure 13

